



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Katsuhiko KURUMADA *et al.*

Application No: **10/509,018**

Confirmation No. **1191**

Filed: **September 27, 2004**

For: **OPTICAL DEVICE**

Art Unit: **2182**

Examiner: **Ellen E. Kim**

Atty. Docket No: **32307-208197**

Customer No:

26694

PATENT TRADEMARK OFFICE

Mail Stop: Amendment

Commissioner for Patents

P.O. Box 1450

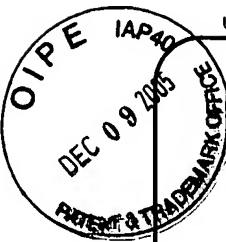
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT (IDS)

Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the U.S. Patent and Trademark Office is hereby directed to the documents listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

U.S. Patent No. US 6,936,950 B2, issued August 30, 2005, describes a micro-actuator utilizing electrostatic and Lorentz forces, and a micro-actuator device, optical switch and optical switch array using the same.



JFW

**FEE TRANSMITTAL
for FY 2005**

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$) 180**Complete if Known**

Application Number	10/509,018
Filing Date	September 27, 2004
First Named Inventor	Katsuhiko KURUMADA
Examiner Name	Ellen E. KIM
Group / Art Unit	2182
Attorney Docket No.	32307-208197

METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)	
1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:		3. ADDITIONAL FEES	
Deposit Account Number	22-0261	Fee Code	Lrg Ent Fee (\$)
Deposit Account Name	Venable LLP	Fee Code	Sm Ent Fee (\$)
<input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17		Fee Description	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Fee Paid	
2. <input type="checkbox"/> Payment Enclosed:			
<input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input checked="" type="checkbox"/> Other Deposit Account			
FEE CALCULATION			
1. BASIC FILING FEE			
Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)
1011	300	2011	150
1012	200	2012	100
1013	200	2013	100
1014	300	2014	150
1005	200	2005	100
1081	250	2081	125
1082	250	2082	125
1083	250	2083	125
1084	250	2084	125
1085	250	2085	125
SUBTOTAL (1)		(\$0)	
2. EXTRA CLAIM FEES			
Total Claims	3	-20**	= 0
Independent Claims	1	-3**	= 0
Multiple Dependent			= 0
Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)
1202	50	2202	25
1201	200	2201	100
1203	360	2204	180
1204	200	2204	100
1205	50	2205	25
SUBTOTAL (2)		(\$0)	
**or number previously paid, if greater; For Reissues, see above			
		1806 180 1806 180 \$180	
		8021 40 8021 40	
		1809 790 2809 395	
		1810 790 2810 395	
		1801 790 2801 395	
		Other fee (specify)	
		*Reduced by Basic Filing Fee Paid	
		SUBTOTAL (3) (\$180)	

SUBMITTED BY Complete (if applicable)		Reg No. Attorney/Agent		Telephone	
Name (Print/Type) Thomas C. Schoeffler		43,385		202-344-4000	
Signature <i>T.C.S.</i>		Date: December 9, 2005			

VENABLE
ATTORNEYS AT LAW

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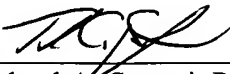
In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed reference.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 22-0261, under Order No. 32307-208197. A duplicate copy of this paper is enclosed.

December 9, 2005

Respectfully submitted,

By 
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PTO/SB/08a/b (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/509,018
				Filing Date	September 27, 2004
				First Named Inventor	Katsuhiko KURUMADA
				Art Unit	2182
				Examiner Name	Ellen E. KIM
Sheet	1	of	1	Attorney Docket Number	32307-208197

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A1	US 6,936,950 B2	08/30/2005	Akagawa <i>et al.</i>	
	A2				
	A3				
	A4				
	A5				
	A6				
	A7				
	A8				
	A9				
	A10				

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B1					
	B2					
	B3					
	B4					
	B5					
	B6					
	B7					
	B8					
	B9					
	B10					

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C1		
	C2		
	C3		
	C4		
	C5		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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